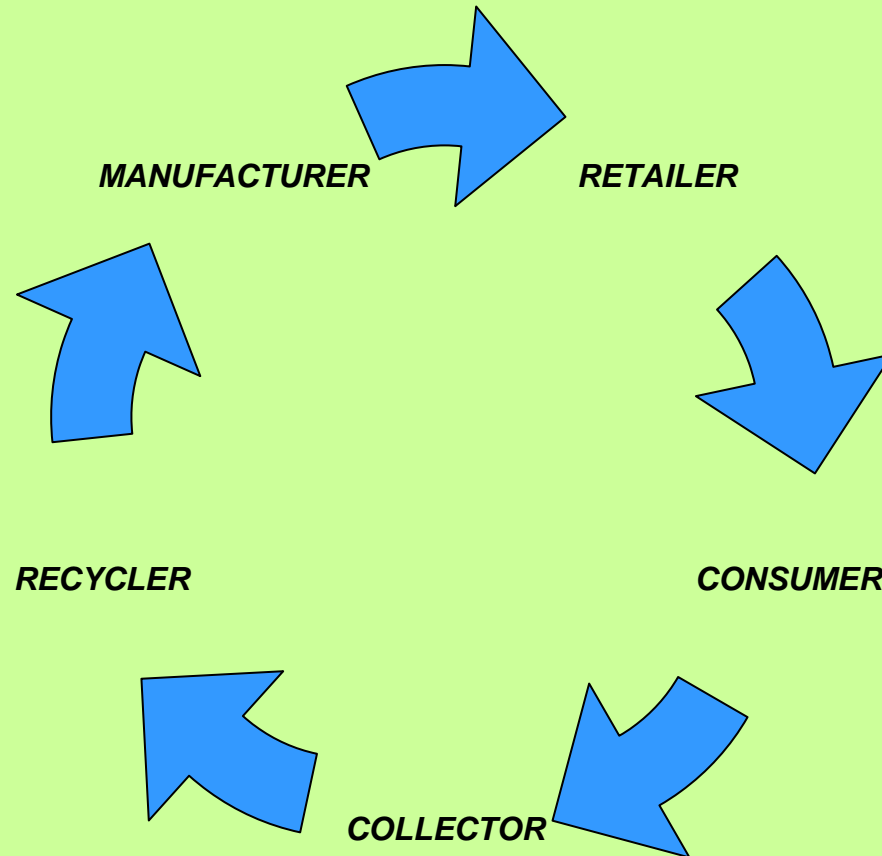


# **Option A-2**

**AB 1109 Taskforce  
Committee on  
Collection/Recycling**

***For Discussion Purposes Only***

# Collection and Recycling Process



***For Discussion Purposes Only***

# Collection and Recycling Process

- Key Elements:
  - Focus on the requirement that the system is convenient and cost effective for the consumer.
  - Shared responsibility
  - Appropriate performance measures and requirements to collect data
  - Use of Public Goods Charge as appropriate
  - Recycling facilities operate in compliance with all state regulations
  - Collectors must comply with CA universal waste requirements
  - Need to balance cost of recycling with desired energy efficiency goals.

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# Collection and Recycling Process



- Primary responsibility for implementing convenient collection system:
  - Mechanisms not specified: Options include retail take-back, mail back, HHW facilities, curbside, other.
  - Shared responsibility for publicity and outreach
- Responsible for achieving specified “convenience goals”.
- Pays for transportation and recycling of lamps until convenience goals are met (potentially through a third party organization). [Access to funds from Public Goods Charge after goals are met.](#)
- Must provide data on sales and collection opportunities to State.

***For Discussion Purposes Only***

# Convenience Goals

- Number of recycling opportunities:
  - Per capita
  - Per square mile
  - Within x radius
  - Within x time
  - Weighted appropriately for urban vs. rural
- See Bottle Bill AB 2020 “Convenience Zones”

***For Discussion Purposes Only***

# Collection and Recycling Process

Retailers

- All retailers:
  - Responsible for providing point of sale information on energy efficiency benefits and recycling opportunities.
  - May only sell lamps for which manufacturer is in compliance.
  - Responsible for reporting annual lamp sales in California.
- Voluntary/Mandatory Collection
  - All stores invited to participate as collection centers
  - Responsible for appropriate on site management of returned lamps
  - If after 2 years, manufacturers can demonstrate inability to meet convenience requirements due to lack of retailer participation, then all retailers >X sq. ft. and >Y annual sales are required to participate until convenience measures achieved.

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# Collection and Recycling Process



Consumers

- May not dispose of lamps in MSW
- Responsible for recycling lamp via various mechanisms: retail take-back, mail in, HHW facility, drop off, etc.
- Ultimate cost of recycling bourn by consumer via Public Goods Charge and/or price of lamp
- Utility rate recovery (Option B?)
- Solid waste fee (Option C?)

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# Collection and Recycling Process

## Collectors and Recyclers

- Must follow universal waste management requirements.
- May enter into contracts with Manufacturer and Retailers to meet convenience goals.
- Recyclers must provide reporting on recycling of California lamps to State (via contract provisions from manufacturers).

***For Discussion Purposes Only***



# Michael Huls

## Using Option A framework

- The following “details” could be applied which focus on using “staffed collection centers or depots” as primary take it back means

***For Discussion Purposes Only***

# Collection centers

- Can include any staffed location including retail stores, third party sites, and more
- Center staff would box lights in pre-paid 3<sup>rd</sup> party boxes and mail to recycler
- Boxes would be primary tracking mechanism for quantity information about returned lamps (Each box has unique code)
- Can include convenience zones under beverage zones?
- Would be augmented by mail back option in areas without sufficient sites
- All sites would be paid incentive fee of up to \$0.10 per lamp without exception

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# Retailers

- Voluntary participation
- Would sign an agreement
- Would do annual reporting directly or through Third party
- Lack of retail participation and inability to meet convenience goals might require future legislation
- Would provide information/direction to 3<sup>rd</sup> parties (sites and stewardship org)
- Would provide signage in store windows similar to used oil and CRV programs

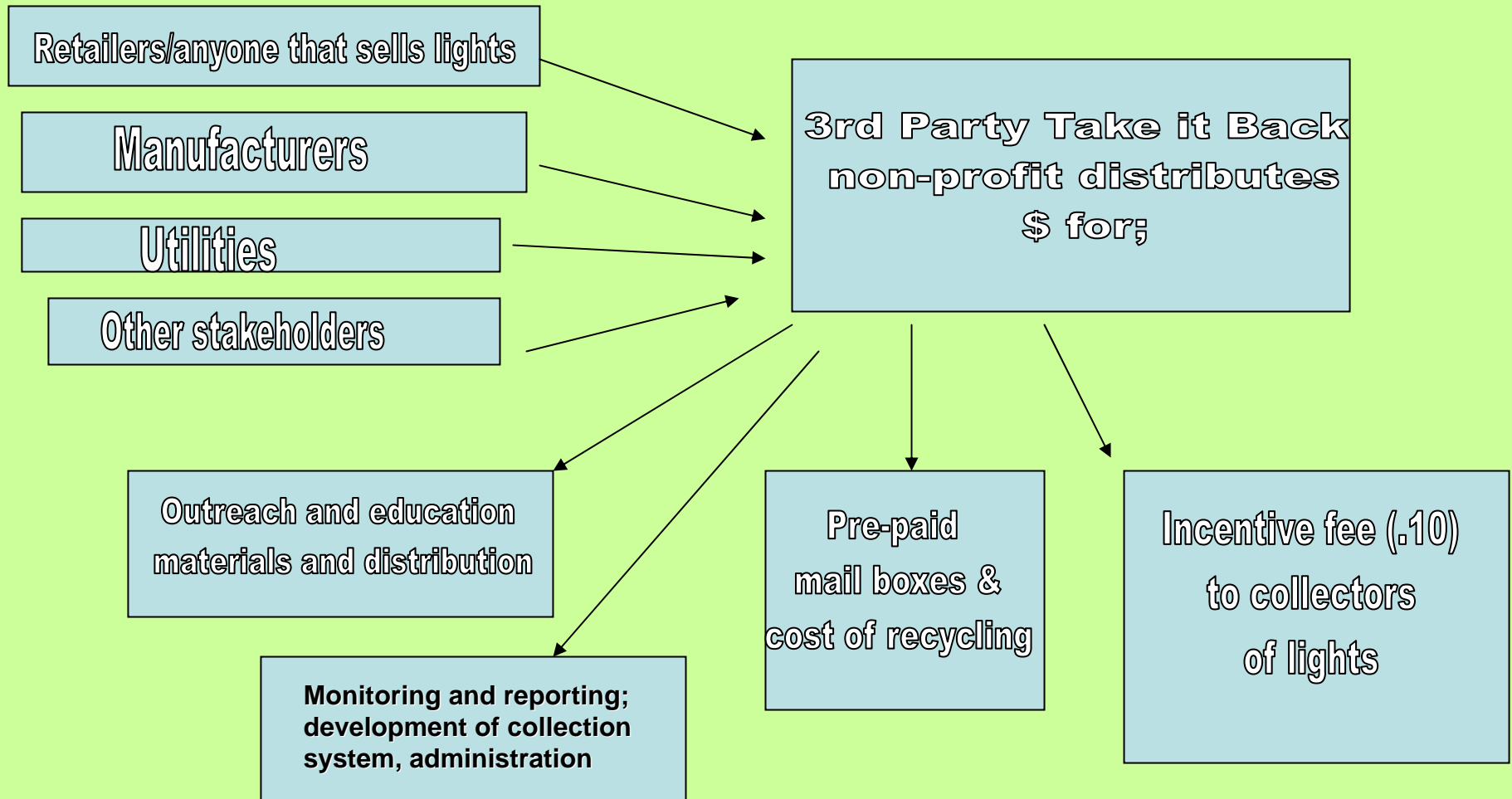
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# 3<sup>rd</sup> Party

- Collects funds from stakeholders defined as any entity that receives value from sale of FLs
- Pays for outreach, education, and pre paid packages that collection centers would use
- Pays collection centers approximately \$.10/light collected
- Pays recyclers for processing
- Coordinates and purchases outreach and education
- Monitors and reports performance of system including outreach, education, collection, processing, and benchmarking
- Trains staffs of collection centers

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# How the funding would work



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# Collection and Recycling Process



Utilities

- Facilitate flow of public goods charge funds for recycling and transportation (CPUC?)
- Only distribute lamp brands who are fully in compliance with the program.
- Outreach and education on disposal closely coupled with all outreach on energy efficiency
- Report data on lamp distribution outside retail environment (*give-aways*)

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# Collection and Recycling Process

State Government

- Provide oversight for measurement of convenience goal
- Provide certification/enforcement of recycling operations
- Provide compliance assistance to collectors and handlers
- Collect sales and recycling data. Review performance and consider enacting diversion-based performance standards

***For Discussion Purposes Only***

# Collection and Recycling Process

Local Government

- Provide outreach and education in partnership with State, utilities, retailers, and producers
- Participate with producers to create drop-off centers for lamps.
- Outreach and education on disposal closely coupled with all outreach on energy efficiency
- Coordinate with LEAs and solid waste management companies

***For Discussion Purposes Only***